1. Package Contents

Thank you for purchasing PLANET 8-Port 10/100/1000T industrial Gigabit Ethernet Switch, IGS-801T. In the following section, the term **"Industrial Gigabit Ethernet Switch"** means the IGT-801T.

Open the box of the Industrial Gigabit Ethernet Switch and carefully unpack it. The box should contain the following items:

Industrial Gigabit Ethernet Switch x 1	User's Manual x 1
	
DIN-rail Kit x 1	Wall-mount Kit x 1
	

If any of these are missing or damaged, please contact your dealer immediately; if possible, retain the carton including the original packing material, and use them again to repack the product in case there is a need to return it to us for repair.

2. Product Specifications

Model	IGS-801T
Hardware Specifications	
10/100/1000BASE-T Ports	8
Dimensions (W x D x H)	32 x 87 x 135 mm
Weight	476g
Power Requirements	12~48V DC, redundant power with reverse polarity protection function, 24V AC power support
Power Consumption/ Dissipation	6.72 watts/23BTU
Installation	DIN-rail kit and wall-mount ear
Switch Specifications	
Switch Processing Scheme	Store-and-Forward
Address Table	4K
Buffer	1.5Mbits SRAM packet buffer
Flow Control	Back pressure for half duplex IEEE 802.3x pause frame for full duplex
Switch Fabric	16Gbps
Throughput (packet per second)	11.9Mpps

Jumbo Frame	9K
Network Cables	10/100/1000BASE-T: Cat. 3, 4, 5, 5e, 6 UTP cable (100 meters, max.) EIA/TIA-568 100-ohm STP (100 meters, max.)
Standards Conformance	
Standards Compliance	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy-Efficient Ethernet IEEE 802.1p Class of Service
Temperature	Operating: -40~75 degrees C Storage: -40~75 degrees C
Humidity	Operating: 5% to 90%, Storage: 5% to 90% (non-condensing)
Regulatory Compliance	FCC Part 15 Class A, CE

3. Hardware Introduction

3.1 Switch Front Panel

The front panel of the Industrial Gigabit Ethernet Switch consists of 8 auto-sensing 10/100/1000Mbps Ethernet RJ45 ports. The LED Indicators are also located on the RJ45 ports of the Gigabit Ethernet Switch.

Figures 3-1 show the front panels of the industrial Gigabit Ethernet Switch.

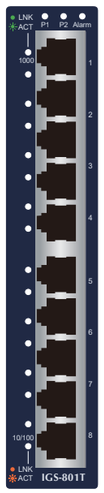


Figure 3-1: IGS-801T Front Panel

3.2 LED Indicators:

LED	Color	Function
P1	Green	Lit to indicate power 1 has power.
P2	Green	Lit to indicate power 2 has power.
Alarm	Red	Lit to indicate either power 1 or power 2 has no power.
1000 LNK/ACT	Green	Lit to indicate the port is successfully connecting to the network at 1000Mbps. Off to indicate that the port is successfully connecting to the network at 10Mbps or 100Mbps. Blinking to indicate that the port is actively sending or receiving data.
10/100 LNK/ACT	Amber	Lit to indicate the port is successfully connecting to the network at 100Mbps or 10Mbps. Off to indicate that the port is successfully connecting to the network at 1000Mbps. Blinking to indicate that the port is actively sending or receiving data.

3.3 Switch Upper Panel

The upper panel of the Industrial Gigabit Ethernet Switch consists of one terminal block connector within two DC power inputs.

Figures 3-2 show the upper panel of the Industrial Gigabit Ethernet Switch.

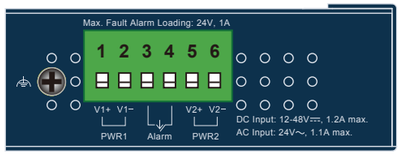


Figure 3-2: IGS-801T Upper Panel

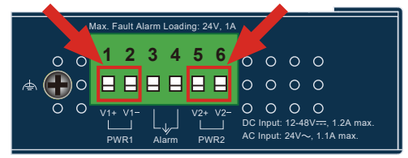
3.4 Wiring the Power Inputs

The 6-contact terminal block connector on the top panel of Industrial Gigabit Ethernet Switch is used for two DC redundant power inputs. Please follow the steps below to insert the power wire by professionals.

Caution	When performing any of the procedures like inserting the wires or tightening the wire-clamp screws, make sure the power is OFF to prevent from getting an electric shock.

Caution	Lorsque vous effectuez l'une des procédures telles que l'insertion des fils ou le serrage des vis de serrage, assurez-vous que l'alimentation est coupée pour éviter tout choc électrique.

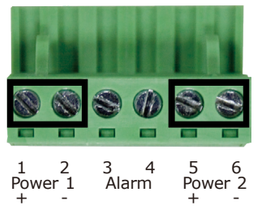
1. Insert positive and negative DC power wires into contacts 1 and 2 for POWER 1, or contacts 5 and 6 for POWER 2.



Wire Range	Wire Type	FW	Torque In-lbs (N.m)
12-24 AWG Str/Sol	Cu	2	5 (0.56)

2. This product is intended to be supplied with a UL-listed power adapter or power source, rated 24V AC, 50/60Hz min. 1.1A or 12-48V DC, min. 1.2A, and Tma 75°C (max.).

3. Tighten the wire-clamp screws for preventing the wires from loosening.

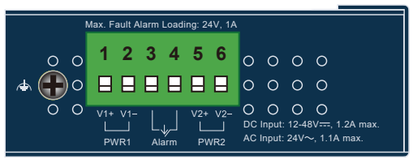


Note	1. The power input range is 12V ~ 48V DC and supports 24V AC 2. Use one power input when using 24V AC.

Note	1. La plage d'entrée d'alimentation est de 12V ~ 48V DC et prend en charge 24V AC. 2. Utilisez une entrée d'alimentation lorsque vous utilisez 24V AC.

3.5 Grounding the Device

Users MUST complete grounding wired with power cord adapter or power supply source should be connected to a socket outlet with an earthing connection; otherwise, a sudden lightning could cause fatal damage to the device.

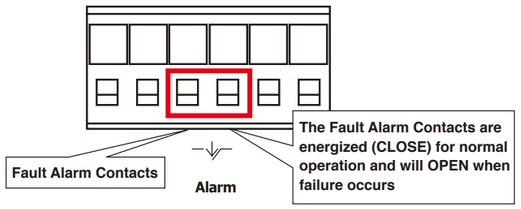


Note	EMD (Lightning) DAMAGE IS NOT CONVERED UNDER WARRANTY.

Note	LES DOMMAGES EMD (éclair) NE SONT PAS PRIS SOUS GARANTIE.

3.6 Wiring the Fault Alarm Contact

The fault alarm contacts are in the middle of the terminal block connector as the picture shows below. Inserting the wires, the Industrial Gigabit Ethernet Switch will detect the fault status of the power failure and then form an open circuit. The following illustration shows an application example for wiring the fault alarm contacts.



Insert the wires into the fault alarm contacts

Wire Range	Wire Type	FW	Torque In-lbs (N.m)
12-24 AWG Str/Sol	Cu	2	5 (0.56)

Alarm relay circuit accepts up to 30V, max. 3A currents.

4.3 Side Wall-mount Plate Mounting

Caution

You must use the screws supplied with the wall-mounting brackets. Damage caused to the parts by using incorrect screws would invalidate your warranty

Attention

Vous devez utiliser les vis fournies avec les supports muraux. Les dommages causés aux pièces par l'utilisation de vis incorrectes invalideraient votre garantie.

PLANET Networking & Communication

User's Manual

Industrial 8-Port Gigabit Ethernet Switch

IGS-801T

www.PLANET.com.tw

PLANET Technology Corp.
10F., No. 96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan

Warning:
This device is compliant with Class A of CISPR 32.
In a residential environment this device may cause radio interference.

2350-AH0140-000

4. Installation

4.1 DIN-rail Mounting Installation

The DIN-rail is screwed on the Industrial Gigabit Ethernet Switch when out of factory. When you need to replace the wall-mount application with DIN-rail application on Industrial Gigabit Ethernet Switch, please refer to the following figures to screw the DIN-rail on the Industrial Gigabit Ethernet Switch. To hang the Industrial Gigabit Ethernet Switch, follow the steps below:

4.2 Wall-mount Plate Mounting

Mount on product or wall (Screw size and quantity: 4mm (L), 3mm (dia.) and 4pcs); DIN-rail mount on product (Screw size and quantity: 4mm (L), 3mm (dia.) and 3pcs)

5. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ resource at the PLANET Web site first to check if it could solve your issue. If you need more support information, please contact PLANET support team.

PLANET online FAQs:
http://www.planet.com.tw/en/support/faq

Switch support team mail address:
support@planet.com.tw

FCC Warning

This equipment has been tested and found to comply with the regulations for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this user's guide, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Avertissement de la FCC

Cet équipement a été testé et jugé conforme à la réglementation pour un appareil numérique de classe A, conformément à la partie 15 des règles de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles lorsque l'équipement est utilisé dans un environnement commercial. Cet équipement génère, utilise et peut émettre de l'énergie radiofréquence et, s'il n'est pas installé et utilisé conformément au présent guide de l'utilisateur, peut causer des interférences nuisibles aux communications radio. Le fonctionnement de ces équipements dans une zone résidentielle est susceptible de provoquer des interférences préjudiciables, auquel cas l'utilisateur sera tenu de corriger les interférences à ses propres frais.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

Avertissement de marquage CE

Il s'agit d'un produit de classe A. Dans un environnement domestique, ce produit peut provoquer des interférences radio, auquel cas l'utilisateur peut être tenu de prendre des mesures adéquates.

Cet équipement est conforme à la classe A du CISPR 32. Dans un environnement résidentiel, cet équipement peut causer des interférences radio.

WEEE Warning

To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

Avertissement WEEE

Afin d'éviter les effets potentiels sur l'environnement et la santé humaine résultant de la présence de substances dangereuses dans les équipements électriques et électroniques, les utilisateurs finaux d'équipements électriques et électroniques devraient comprendre la signification du symbole du bac à roulettes barré. Ne jetez pas les WEEE en tant que déchets municipaux non triés et devez les collecter séparément.